Figure 1

Pumping Region

Generating Region

Electron Trajectory

14   16   16t   16   16a   14

19

5

17   19

Figure 2

F

20a

Ion & Fluid Motion

S

22   Electric Field   22

V

Figure 3a

Ion Motion   20a   V   S

22   22

Ion Motion   20a   S

22   22   22

V   V

Figure 3b